

**COMBINED DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION**

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if several names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

CERAMIC COMPOSITIONS FOR THERMAL BARRIER COATINGS STABILIZED IN THE CUBIC CRYSTALLINE PHASE

the specification of which is attached hereto OR
 was filed on _____ as Application Serial No. _____ or PCT International Application Number _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 CFR §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §119 (a)-(d) or (f) or 365(b) of any foreign application(s) for patent or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below, and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed:

| Country | Application Number | Date Of Filing (Day, Month, Year) | Priority Not Claimed | Certified Copy Attached |
|---------|--------------------|--------------------------------------|----------------------|-------------------------|
| | | | | Yes No |

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or 365(c) of any PCT International application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose material information as defined in 37 CFR §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| U.S. PARENT APPLICATION OR PCT PARENT NUMBER | PARENT FILING DATE (day, month, year) | STATUS (patent and number, pending, abandoned) |
|---|--|---|
| | | |

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

| APPLICATION NUMBER(S) | FILING DATE (day, month, year) |
|-----------------------|--------------------------------|
| | |

As a named inventor, I hereby appoint Practitioners at Customer Number 31838, Ronald E. Myrick (Reg. No. 26,315), Henry J. Policinski, (Reg. No. 26,621) and Scott R. Hayden, (Reg. No. 41,821) jointly, and each of them severally, my/our attorney(s) or agents(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent and to transact all business in the Patent and Trademark Office connected therewith.

I hereby direct that all correspondence and telephone calls in connection with this application be addressed to Customer Number 31838.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, statements were made with the knowledge that willfully false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001 and that all such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first joint inventor: BRETT ALLEN BOUTWELL

Inventor's signature: Brett Allen Robert Boutwell Date: 12/16/03

Residence: 6847 Edgeworth Drive, Liberty Township, OH 45011

Citizenship: US

Post Office Address: 6847 Edgeworth Drive, Liberty Township, OH 45011

Full name of second joint inventor: MARK DANIEL GORMAN

Inventor's signature: Mark Daniel Gorman Date: 12/12/03

Residence: 7272 Overland Park Ct., West Chester, OH 45069

Citizenship: US

Post Office Address: 7272 Overland Park Ct., West Chester, OH 45069

Full name of third joint inventor: IRENE SPITSBERG

Inventor's signature: Irene Spitsberg Date: 12/16/03

Residence: 12051 Water's Edge Ct., Loveland, OH 45140

Citizenship: US

Post Office Address: 12051 Water's Edge Ct., Loveland, OH 45140

Full name of fourth joint inventor: RAMGOPAL DAROLIA

Inventor's signature: Ramgopal Darol Date: 12/12/03

Residence: 7377 Overland Park Ct., West Chester, OH 45069

Citizenship: US

Post Office Address: 7377 Overland Park Ct., West Chester, OH 45069

Full name of fifth joint inventor: ROBERT WILLIAM BRUCE

Inventor's signature: Robert William Bruce Date: 12/12/03

Residence: 221 Woodcrest Drive, Loveland, OH 45140

Citizenship: US

Post Office Address: 221 Woodcrest Drive, Loveland, OH 45140